

# ECEN 667

## Power System Stability

### Lecture 23: Advanced Computational Methods

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# Announcements

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- **Exam 2 will be Tuesday, December 2<sup>nd</sup>, 2025**

# Paper Discussion

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- K. Huang, M. Xiong, Y. Liu and K. Sun, "A Heterogeneous Multiscale Method for Efficient Simulation of Power Systems With Inverter-Based Resources," in *IEEE Transactions on Power Systems*, vol. 40, no. 5, pp. 4292-4306, Sept. 2025.
- M. Xiong *et al.*, "EMT-TS Hybrid Simulation for Large Power Grids Considering IBR-Driven Dynamics," *IECON 2024 - 50th Annual Conference of the IEEE Industrial Electronics Society*, Chicago, IL, USA, 2024, pp. 1-6.